

BOBBY JINDAL  
GOVERNOR



HAROLD LEGGETT, PH.D.  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20070001  
Agency Interest No. 6634

Mr. Ronald Jett  
Assistant Warden for Administrative Services  
Louisiana State Penitentiary  
General Delivery  
Angola, LA 70712

RE: Part 70 Operating Permit, LADPS - Louisiana State Penitentiary - Angola  
Louisiana Department of Corrections, Angola, West Feliciana Parish, Louisiana

Dear Mr. Jett:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_ of \_\_\_\_\_, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 3160-00013-V0

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:AHG  
c: EPA Region VI

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**LADPS - LOUISIANA STATE PENITENTIARY / ANGOLA**  
**PROPOSED INITIAL PART 70 AIR OPERATING PERMIT**

The LDEQ, Office of Environmental Services, is accepting written comments on initial Proposed Part 70 Initial Air Operating Permit for Louisiana Department of Corrections, LADPS, Hwy 66 - General Delivery, Angola, LA 70712 for the Louisiana Department of Corrections, LADPS - Louisiana State Penitentiary - Angola.. **The facility is located at Hwy 66, Angola, West Feliciana Parish.**

Louisiana Department of Corrections, LADPS - Louisiana State Penitentiary – Angola (LAPDS – Angola), is a correctional institute which owns and operates an existing, Consumat incinerator Model C-550-T-1H, refuse incinerator equipped with an automatic loader ML-225A since 1986. The incinerator has a rated capacity of 1500 lb/hr with a maximum material (waste) heat content of 8,000 BTU/lb. The incinerator is used to burn combustible trash generated at the prison and, utilizing its waste heat, operate a waste food rotary dryer to process waste food into animal feed.

LADPS - Angola requested the installation of a new incinerator, Model CEC 2012, and the removal of the existing Model C-50T-111 incinerator. The maximum load rate of the incinerator is 3,500 lb/hr and its average daily processing capacity is 14 tons.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	1.72	0.52	- 1.20
SO <sub>2</sub>	2.34	0.15	- 2.19
NO <sub>x</sub>	9.41	3.47	- 5.94
CO	5.36	0.82	- 4.54
VOC	0.21	0.08	- 0.13

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):			
Pollutant	Before	After	Change
Dioxin and Furans	NA	Neg.	Neg.
Cadmium	NA	0.0003	+ 0.0003
HCl	4.16	0.401	- 3.7590
Lead	NA	0.004	+ 0.0040
Mercury	NA	0.001	+ 0.0013
Total	4.16	0.4063	- 3.7537

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the

"Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 27, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed permit, statement of basis and environmental assessment statement are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).**

Additional copies may be reviewed at the West Feliciana Parish Library – Headquarters located at 11865 Ferdinand Street, St. Francisville, LA 70775.

Inquiries or requests for additional information regarding this permit action should be directed to Dr. Hassan Ghosn, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3113.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmaillistrequest@la.gov](mailto:deqmaillistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).**

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 6634, Permit Number 3160-00013-V0, and Activity Number PER20070001.**

**Scheduled Publication Date: Thursday, February 21, 2008.**

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LADPS - Louisiana State Penitentiary - Angola**  
**Agency Interest No.: 6634**  
**Louisiana Department of Corrections**  
**Angola, West Feliciana Parish, Louisiana**

**I. Background**

Louisiana Department of Corrections, LADPS - Louisiana State Penitentiary – Angola (LAPDS – Angola), is a correctional institute which owns and operates an existing refuse incinerator since 1986. The incinerator is used to burn combustible trash generated at the prison and, utilizing its waste heat, operate a waste food rotary dryer to process waste food into animal feed. The Office of Air Quality and Nuclear Energy granted, by letter dated June 2, 1986, approval for LADPS – Angola, to install a Consumat Incinerator Model 550 (the incinerator also operated under solid state Permit No. P-0124, issued December 11, 1986). On May 24, 1989, the facility requested the addition of a new Consumat incinerator Model C-550-T-1H for use on stand by with no increase in the total volume of burned waste. According to CDS records, the request was approved on May 29, 1989 under air Permit No. 3160-01-89-I even though a copy of this permit could not be found in LDEQ files. However, a letter dated June 16, 1989 from LAPDS – Angola regarding stack test report submittal for the new incinerator is on record but the report could not be located. Furthermore, letters of correspondence with the Solid Waste Division indicate that this incinerator was approved for operation on June 26, 1989.

A modification consisting of removal of the 1986 incinerator, Emission Point 1-86 and shut down of the food waste processing operation, thus removal of the rotary dryer/cooler and the food waste grinder associated with the latter was approved and air Permit No. 3160-00013-00 was issued on August 21, 2007 under which the facility is currently operating.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Louisiana Department of Corrections on May 16, 2007 requesting an operating permit. A revised submittal dated August 29, 2007 requesting a Part 70 Operating permit was also received. Additional information dated January 18, 2008 was also received.

**III. Description**

LADPS – Angola currently operates a Consumat incinerator Model C-550-T-1H refuse incinerator equipped with an automatic loader ML-225A. The incinerator has a rated capacity of 1500 lb/hr with a maximum material (waste) heat content of 8,000 BTU/lb.

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The primary purpose of the incinerator is to burn refuse generated on site. The general refuse is delivered by LADPS – Angola trucks and piled up on the pavement in the incinerator area. A front-end loader is used to transport the refuse from this staging area to the incinerator.

The vast majority of the waste fed to the incinerator is clean trash with a significant heating value (8,400 Btu/lb). The waste has such a high heating value that the waste can sustain the operation of the incinerator without supplemental fuel, except for a very short start-up period when a 0.75 MM BTU/hr natural gas-fired start-up burner is fired in the unit's primary chamber. Approximately 1.97% of the annual incinerated waste is red bag (medical) waste.

The facility generates approximately 1,562 ton/yr, or 4.3 tons/day, of trash that needs to be incinerated.

LADPS – Angola proposes to install a new incinerator, Model CEC 2012, and remove the existing Model C-50T-1H incinerator.

The load rate of the Model CEC 2012 is 3,500 lb/hr, based on loading the unit for eight hours. After eight hours, loading is discontinued because the incinerator has reached its maximum capacity with respect to the material that can be held in the primary combustion chamber. The unit then goes into a burn down phase for four hours, followed by a 12-hour cool down phase. This will give the unit an estimated burn capacity of 2,333 lb/hr for 12 hours, and a load rate of 3,500 lb/hr for eight hours. This equates to a processing capacity of the unit of 14 ton/day.

The unit is loaded by two hydraulic loaders with a capacity of four cubic yards per load. These loaders have a hydraulically actuated loading door such that, once material is placed in the loading hopper, the hopper closes and locks. The loaders refractory-lined guillotine door then opens to the 1,500°F primary combustion chamber. A hydraulic ram then pushes waste out of the hopper into the combustion chamber. The hopper ram retracts, the guillotine door closes and the ram goes back into its berth. The next load can only be charged to the incinerator if the primary combustion chamber temperature does not exceed the set point and the set charging cycle time has expired. This is a protection mechanism that locks out the operator to ensure he is not overloading the system. Flue gas from the primary chamber is routed through a secondary combustion chamber to ensure that complete combustion takes place. The new unit is designed to have a 1-second residence time in the secondary chamber at 1,800°F.

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After the 12-hour burn cycle and 12-hour cool down cycle, the unit is cleaned prior to the next full burn. Clean-out doors that are 8 ft. x 12 ft in dimension are opened. An operator drives into the chamber with a Bobcat or similar tractor for the removal of residual ash for disposal. This ash is disposed of in a permitted solid waste landfill. This may occur three days after a burn if the facility elects to operate the unit only once every three days. However, the facility may elect to operate the unit more frequently than every three days by not loading the unit to full capacity during every burn.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	1.72	0.52	- 1.20
SO <sub>2</sub>	2.34	0.15	- 2.19
NO <sub>x</sub>	9.41	3.47	- 5.94
CO	5.36	0.82	- 4.54
VOC	0.21	0.08	- 0.13

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Dioxin and Furans	NA	Neg.	Neg.
Cadmium	NA	0.0003	+ 0.0003
HCl	4.16	0.401	- 3.7590
Lead	NA	0.004	+ 0.0040
Mercury	NA	0.001	+ 0.0013
Total	4.16	0.4063	- 3.7537

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**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**AIR PERMIT BRIEFING SHEET**  
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**Angola, West Feliciana Parish, Louisiana**

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
NONE			

**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons				
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
NONE						

**IX. Insignificant Activities**

ID No.:	Description	Citation
	Ash Removal Activities	LAC 33.III.501.B.5.D.a



## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LADPS - Louisiana State Penitentiary - Angola

Agency Interest No.: 6634

Louisiana Department of Corrections

Angola, West Feliciana Parish, Louisiana

X Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter												
		5 <sup>▲</sup>	9	11	13	15	2103	2104*	2107	2111	2115	2116*	21xx	25
	Plant Wide	1	1	1	1									1
EQT 28	Refuse Incinerator Vent Stack	1	1	1	1									1

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

## KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LADPS - Louisiana State Penitentiary - Angola  
 Agency Interest No.: 6634  
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 Angola, West Feliciana Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:		Description	40 CFR 60 NSPS										40 CFR 61			40 CFR 63 NESHAP				40 CFR	
			A	K	Ka	Kb	Dc	E	Ec	EEEE	IIII	A	J	V	A	HH	SS	VV	HHH	64	68
		Plant Wide	1								1										
EQT 28		Refuse Incinerator Vent Stack	1						3	3	1										

## KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

LADPS - Louisiana State Penitentiary - Angola  
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT 28 Trash Incinerator	LAC 33:III.Chapter 51 – State Only	DOES NOT APPLY – Facility is a minor source of Louisiana Toxic Air Pollutants
	40 CFR 60 – Subpart E – Standards of Performance for Incinerators. [40 CFR 60.50]	DOES NOT APPLY. Charging rate is less than 50 tons/day.
	40 CFR 60 – Subpart Ec – Standards of Performance for Hospital/Medical/Infectious Waste Incinerators for Which Construction or modification is Commenced After June 20, 1996. [40 CFR 60.50c(d)]	EXEMPT. Because it is required to obtain a Part 70 Permit under section 3005 of the Solid Waste Act.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

**40 CFR PART 70 GENERAL CONDITIONS**

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
  
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
  
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.
 [Reference 40 CFR 70.6(a)(3)(ii)(A)]
  
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
  
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
  
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
  
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## 40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
  
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
  
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
  
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33:III. Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

## 40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
  - a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## 40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).



## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 16, 2007, along with supplemental information dated August 27, and January 18, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33:I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302
- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 6634 LADPS - Louisiana State Penitentiary - Angola  
 Activity Number: PER20070001  
 Permit Number: 3160-00013-V0  
 Air - Title V Regular Permit Initial

Also Known As:

ID	Name	User Group	Start Date
3160-00013	LADPS - Louisiana State Penitentiary - Angola	CDS Number	06-30-2002
72-0830237	Federal Tax ID	Federal Tax ID	11-21-1999
LAD981592322	LA State Penitentiary	Hazardous Waste Notification	09-10-1986
LA0051217	WPC File Number	LPDES Permit #	05-22-2003
LAR10B047	WPC File Number	LPDES Permit #	05-22-2003
LAR10B048	WPC File Number	LPDES Permit #	05-22-2003
LAR10B049	WPC File Number	LPDES Permit #	05-22-2003
LAR10B245	LPDES #	LPDES Permit #	05-22-2003
WP3547	WPC State Permit Number	LPDES Permit #	03-24-2003
	Priority 2 Emergency Site	LWDPS Permit #	06-25-2003
	Radiation General License	Priority 2 Emergency Site	07-20-2006
2131	X-Ray Registration Number	Radiation License Number	12-12-2001
P-125-0839	LA State Penitentiary	Radiation X-ray Registration Number	11-21-1999
P-125-0839	Site ID #	Solid Waste	01-08-2002
104528	LADPS - LA State Penitentiary Camp F	Solid Waste Facility No.	05-01-2001
12106	Angola State Penitentiary	TEMPO Merge	02-18-2003
34600	LA State Penitentiary	TEMPO Merge	12-11-2000
37603	LA State Penitentiary	TEMPO Merge	12-11-2000
38309	LA State Penitentiary	TEMPO Merge	12-11-2000
83354	USCOE Drainage Structure Replacement	TEMPO Merge	01-30-2001
83355	USCOE Enlargement & Beam Item 1	TEMPO Merge	01-30-2001
83356	Levee Enlargement & Berms Item 2	TEMPO Merge	01-30-2001
9518	Cell Block B	TEMPO Merge	01-30-2001
259	UST Case History Case Number	UST Case Number	12-11-2000
63011978	UST Facility ID (from UST legacy data)	UST FID #	11-21-1999
11752	Waste Tires	Waste Tire Facility ID Number	10-12-2002
RG-12511752	Facility #	Waste Tires	05-27-2005
WQC 980408-01	Water Quality Certification #	Water Certification	10-08-2002
			11-25-2002

Physical Location:

Hwy 66  
 Angola, LA 70712

Mailing Address:

Hwy 66 - General Delivery  
 Louisiana State Penitentiary  
 Angola, LA 70712

Main FAX: 2256552007  
 Main Phone: 2256552233

General Information

AI ID: 6634 LADPS - Louisiana State Penitentiary - Angola

Activity Number: PER20070001

Permit Number: 3160-00013-V0

Air - Title V Regular Permit Initial

Location of Front Gate: 30° 56' 25" 85 hundredths latitude, 91° 34' 7" 60 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Steve Bourgeois	Hwy 66 - General Delivery Angola, LA 70712	2253425973 (WP)	Air Permit Contact For
Rene Brumfield	Hwy 66 Angola, LA 70712	9856554411 (WP)	Waste Tires Contact for
David Honeycutt	Business Office Angola, LA 70712	2256552031 (WP)	Employed by
Ronald Jett	Hwy 66 - General Delivery Angola, LA 70712	2256552031 (WP)	Responsible Official for
Ronald Jett	Hwy 66 - General Delivery Angola, LA 70712	2256552031 (WP)	Radiation Contact For
Ronald Jett	Hwy 66 - General Delivery Angola, LA 70712	2256552031 (WP)	Water Permit Contact For
Richard Stalder	504 Mayflower St Baton Rouge, LA 70802		Employed by

Related Organizations:

Name	Address	Phone (Type)	Relationship
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	Owns
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	Solid Waste Billing Party for
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	UST Billing Party for
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	Air Billing Party for
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	Water Billing Party for
Louisiana Department of Public Safety & Corrections	PO Box 94304 Baton Rouge, LA 708049304	2253427442 (WP)	Radiation Registration Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

**INVENTORIES**

AI ID: 6634 - LADPS - Louisiana State Penitentiary - Angola  
 Activity Number: PER20070001  
 Permit Number: 3160-00013-V0  
 Air - Title V Regular Permit Initial

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
EQT0028	I-07 - Refuse Incinerator Vent Stack		3500 lb/hr	2334 lb/hr		2000 hr/yr (All Year)

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Entire Facility</b>							
EQT0028	I-07 - Refuse Incinerator Vent Stack	31.18	27583	4.33		32	1440

**Relationships:****Subject Item Groups:**

ID	Group Type	Group Description
UNF0002	Unit or Facility Wide	

**Group Membership:**

**NOTE:** The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1520	Incinerators: A) 1,000 Lb/Hr and Greater Capacity	1	

**SIC Codes:**

4953	Refuse systems	UNF002
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**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 6634 - LADPS - Louisiana State Penitentiary - Angola

Activity Number: PER20070001

Permit Number: 3160-00013-V0

Air - Title V Regular Permit Initial

<b>Emission Pt.</b>	<b>Pollutant</b>	<b>Avg lb/hr</b>	<b>Max lb/hr</b>	<b>Tons/Year</b>
EQT 0028 I-07	Cadmium (and compounds)	0.0003	0.0005	0.0003
	Dioxins and furans (D/F)	< 0.0001	< 0.0001	< 0.0001
	Hydrochloric acid	0.401	0.601	0.401
	Lead compounds	0.004	0.006	0.004
	Mercury (and compounds)	0.0013	0.002	0.001
UNF 0002	Cadmium (and compounds)			0.0002
	Dioxins and furans (D/F)		< 0.0001	
	Hydrochloric acid			0.401
	Lead compounds			0.004
	Mercury (and compounds)			0.001

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.



**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 6634 - LADPS - Louisiana State Penitentiary - Angola

Activity Number: PER20070001

Permit Number: 3160-00013-V0

Air - Title V Regular Permit Initial

Subject Item	CO			NOx		PM10			SO2		VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Tons/Year
Entire Facility													
EQT 0028 1-07	0.82	1.23	0.82	3.47	5.20	0.52	0.79	0.52	0.15	0.22	0.08	0.12	0.08

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**SPECIFIC REQUIREMENTS**

AI ID: 6634 - LADPS - Louisiana State Penitentiary - Angola

Activity Number: PER20070001

Permit Number: 3160-00013-V0

Air - Title V Regular Permit Initial

**EQT0028 I-07 Refuse Incinerator Vent Stack**

- 1 [40 CFR 60.2915] Cadmium  $\leq$  18 ug/dscm at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 2 [40 CFR 60.2915] Carbon monoxide  $\leq$  40 ppm<sub>dv</sub> at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 3 [40 CFR 60.2915] Dioxins and furans (D/F)  $\leq$  33 ng/dscm at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 4 [40 CFR 60.2915] Hydrochloric acid  $\leq$  15 ppm<sub>dv</sub> at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 5 [40 CFR 60.2915] Lead  $\leq$  226 ug/dscm at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 6 [40 CFR 60.2915] Mercury  $\leq$  74 ug/dscm at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 7 [40 CFR 60.2915] Nitrogen oxides  $\leq$  103 ppm<sub>dv</sub> at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 8 [40 CFR 60.2915] Opacity  $\leq$  10 percent. Subpart EEEE.  
Which Months: All Year Statistical Basis: Six-minute average
- 9 [40 CFR 60.2915] Particulate matter (10 microns or less)  $\leq$  0.013 gr/dscf at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 10 [40 CFR 60.2915] Sulfur dioxide  $\leq$  3.1 ppm<sub>dv</sub> at 7% O<sub>2</sub>. Subpart EEEE.  
Which Months: All Year Statistical Basis: Three one-hour test average
- 11 [40 CFR 60.2927] Demonstrate initial compliance with the emission limitations in 40 CFR 60 Subpart EEEE, Table 1 by conducting an initial performance test, as required under 40 CFR 60.8. Conduct the initial performance test using the test methods listed in 40 CFR 60 Subpart EEEE, Table 1 and the procedures in 40 CFR 60.2922. Subpart EEEE.  
Conduct the initial performance test within 60 days after the OSWI unit reaches the charge rate at which it will operate, but no later than 180 days after its initial startup. Subpart EEEE.  
Demonstrate continuous compliance with the emission limitations by conducting an annual performance test for all of the pollutants in 40 CFR 60 Subpart EEEE, Table 1. Conduct the annual performance test using the test methods listed in 40 CFR 60 Subpart EEEE, Table 1 and the procedures in 40 CFR 60.2922. Subpart EEEE. [40 CFR 60.2932(a)]
- 12 [40 CFR 60.2928] Carbon monoxide monitored by continuous emission monitor (CEM) continuously. Subpart EEEE. [40 CFR 60.2932(b)]  
Which Months: All Year Statistical Basis: One-hour average
- 13 [40 CFR 60.2932(a)] Oxygen monitored by continuous emission monitor (CEM) continuously at 7% O<sub>2</sub>. Monitor the oxygen concentration at the location where the carbon monoxide is monitored. Subpart EEEE. [40 CFR 60.2939(a)]  
Which Months: All Year Statistical Basis: One-hour average
- 14 [40 CFR 60.2932(b)] Conduct initial, daily, quarterly, and annual evaluations of the continuous emission monitoring systems that measure carbon monoxide and oxygen. Complete the initial evaluation of the continuous emission monitoring systems within 60 days after the OSWI unit reaches the maximum load level at which it will operate, but no later than 180 days after its initial startup. Follow the quality assurance procedures in 40 CFR 60 Appendix F, Procedure 1 for each continuous emission monitoring system. Subpart EEEE.

# SPECIFIC REQUIREMENTS

AI ID: 6634 - LADPS - Louisiana State Penitentiary - Angola  
 Activity Number: PER20070001  
 Permit Number: 3160-00013-V0  
 Air - Title V Regular Permit Initial

## EQT0028 I-07 Refuse Incinerator Vent Stack

- 17 [40 CFR 60.2944(b)] Bypass stack: Equipment/operational data monitored by hour/time monitor upon each occurrence of the use of the bypass stack. Include the date, time, and duration. Subpart EEEE. [40 CFR 60.2944(b)]  
 Which Months: All Year Statistical Basis: None specified
- 18 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: None specified
- 19 [LAC 33:III.1311.C] Opacity <= 20 percent; except: emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
 Which Months: All Year Statistical Basis: Six-minute average
- 20 [LAC 33:III.2521.C] The burning capacity of a refuse incinerator must be the manufacturer's or designer's guaranteed maximum rate or such other rate as may be determined by DEQ in accordance with good engineering practices. In case of conflict, the determination made by DEQ will govern.
- 21 [LAC 33:III.2521.E] Determine the amount of particulate matter (10 microns or less) emitted using the test methods from 40 CFR Part 60, Appendix A.
- 22 [LAC 33:III.2521.F.10] Submit test results: Due within 45 days of completion of testing. Submit all monitoring and test results to the Office of Environmental Assessment.
- 23 [LAC 33:III.2521.F.1] Particulate matter (10 microns or less) <= 0.04 gr/dscf @ 7% O2 or 12 percent carbon dioxide.  
 Which Months: All Year Statistical Basis: None specified
- 24 [LAC 33:III.2521.F.2] All refuse incinerators must be multi-chambered or equivalent as determined by DEQ. Equip all multi-chambered incinerators with secondary burners as specified.
- 25 [LAC 33:III.2521.F.2] Secondary Chamber: Temperature >= 1800 F for at least 1 second.  
 Which Months: All Year Statistical Basis: None specified
- 26 [LAC 33:III.2521.F.3] Equip with an interlock that prevents the charge door from opening for 10 minutes after the secondary burner is ignited, or until the secondary chamber exit gases reach 1500 degrees Fahrenheit; for incinerators with a capacity less than 500 pounds-per-hour, 1600 degrees Fahrenheit with a capacity 500 - 1000 pounds-per-hour, and 1800 degrees Fahrenheit for a capacity greater than 1000 pounds-per-hour, whichever occurs first. Install a visual warning system to alert the operator when the interlock system is by-passed for service or cleaning.
- 27 [LAC 33:III.2521.F.4] Do not burn or cause or permit the burning of refuse in any installation which was designed for the sole purpose of burning fuel without the authorization of DEQ.
- 28 [LAC 33:III.2521.F.6] Secondary Chamber: Carbon monoxide monitored by CMS continuously. Measure the carbon monoxide concentration in the exit flue gas.  
 Which Months: All Year Statistical Basis: None specified
- 29 [LAC 33:III.2521.F.6] Secondary Chamber: Carbon monoxide recordkeeping by CMS continuously. Record the carbon monoxide concentration in the exit flue gas.
- 30 [LAC 33:III.2521.F.6] Secondary Chamber: Oxygen monitored by CMS continuously. Measure the oxygen concentration in the exit flue gas.  
 Which Months: All Year Statistical Basis: None specified
- 31 [LAC 33:III.2521.F.6] Secondary Chamber: Oxygen recordkeeping by CMS continuously. Record the oxygen concentration in the exit flue gas.
- 32 [LAC 33:III.2521.F.6] Secondary Chamber: Temperature monitored by continuous recorder continuously. Measure the exit flue gas temperature.  
 Which Months: All Year Statistical Basis: None specified
- 33 [LAC 33:III.2521.F.6] Secondary Chamber: Temperature recordkeeping by recorder continuously. Record the exit flue gas temperature.

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**EQT0028 I-07 Refuse Incinerator Vent Stack**

- 34 [LAC 33:III.2521.F.7] Secondary Chamber: Temperature  $\geq$  1800 F for at least one second.  
Which Months: All Year Statistical Basis: None specified
- 35 [LAC 33:III.2521.F.8.b] Carbon monoxide  $\leq$  100 ppm<sub>dv</sub> @ 7% O<sub>2</sub>.  
Which Months: All Year Statistical Basis: One-hour rolling average
- 36 [LAC 33:III.2521.F.8.c] Nitrogen oxides  $\leq$  250 ppm<sub>dv</sub> @ 7% O<sub>2</sub>.  
Which Months: All Year Statistical Basis: None specified
- 37 [LAC 33:III.2521.F.8.d] Flue gas: Excess Oxygen  $\geq$  2 % by volume (dry basis).  
Which Months: All Year Statistical Basis: None specified
- 38 [LAC 33:III.2521.F.8.e] Opacity  $\leq$  10 percent.  
Which Months: All Year Statistical Basis: None specified
- 39 [LAC 33:III.2521.F.8.f] Sulfur dioxide  $\leq$  100 ppm<sub>dv</sub> @ 7% O<sub>2</sub>, or 70% control.  
Which Months: All Year Statistical Basis: None specified
- 40 [LAC 33:III.2521.F.9] Conduct emission tests to verify compliance with the standards for the pollutants listed in LAC 33:III.2521.F.9.a - e using the test methods from 40 CFR 60, Appendix A.
- 41 [LAC 33:III.2521.G] Do not cause or permit the handling, use, transport, or storage of any material in a manner which allows or may allow controllable particulate matter, fly ash, etc., to become airborne in amounts that will cause a public nuisance or cause ambient air quality standards to be violated.
- 42 [LAC 33:III.2521.H] Maintain all equipment, accessories, and appurtenances of a refuse incinerator installation in proper working condition and ensure that they are in operation at all times while the refuse incinerator is in use.
- 43 [LAC 33:III.501.C.6] Operating time  $\leq$  2000 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if total annual operating hours of the incinerator, excluding the cool down time, exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 44 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified  
Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating hours of the incinerator, excluding the cool down time, each month, as well as the total operating hours of the incinerator, excluding the cool down time, for the last twelve months.  
Make records available for inspection by DEQ personnel.

**UNF0002 Entire Facility**

- 45 [40 CFR 60.2905(a)] Do not operate an OSWI unit unless a fully trained and qualified OSWI unit operator is accessible, either at the facility or can be at the facility within 1 hour. Subpart EEEE. [40 CFR 60.2905(a)]
- 46 [40 CFR 60.2905(b)] Ensure that operators obtain training and qualification through a State-approved program or by completing the requirements included in 40 CFR 60.2905(c). Subpart EEEE. [40 CFR 60.2905(b)]
- 47 [40 CFR 60.2906] Ensure that operators complete the operator training course by the latest of the three dates specified in 40 CFR 60.2906(a) through (c). Subpart EEEE.
- 48 [40 CFR 60.2908] Ensure that operators maintain qualification by completing an annual review or refresher course covering, at a minimum, the five topics described in 40 CFR 60.2908(a) through (e). Subpart EEEE.

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49 [40 CFR 60.2909]

Ensure that lapsed operator qualifications are renewed by either completing a standard annual refresher course described in 40 CFR 60.2908, for lapses of less than 3 years, or by repeating the initial qualification requirements in 40 CFR 60.2907(a), for lapses of 3 years or more. Subpart EEEEE.

50 [40 CFR 60.2910(a)]

Ensure that documentation is available at the facility and readily accessible for all OSWI unit operators that addresses the nine topics described in 40 CFR 60.2910(a)(1) through (a)(9). Maintain this information and the training records required by 40 CFR 60.2910(c) in a manner that they can be readily accessed and are suitable for inspection upon request. Subpart EEEEE. [40 CFR 60.2910(a)]

51 [40 CFR 60.2910(b)]

Establish a program for reviewing the information listed in 40 CFR 60.2910(a) with each incinerator operator, as specified in 40 CFR 60.2910(b)(1) and (b)(2). Subpart EEEEE. [40 CFR 60.2910(b)]

52 [40 CFR 60.2911(a)]

When all qualified operators are not accessible for 12 hours or less, ensure the OSWI unit is operated by other plant personnel familiar with the operation of the OSWI unit who have completed review of the information specified in 40 CFR 60.2910(a) within the past 12 months. Subpart EEEEE. [40 CFR 60.2911(a)]

53 [40 CFR 60.2911(b)]

When all qualified operators are not accessible for more than 12 hours, but less than 2 weeks, ensure the OSWI unit is operated by other plant personnel familiar with the operation of the OSWI unit who have completed a review of the information specified in 40 CFR 60.2910(a) within the past 12 months, and record the period when all qualified operators were not accessible and include this deviation in the annual report as specified under 40 CFR 60.2956. Subpart EEEEE. [40 CFR 60.2911(b)]

54 [40 CFR 60.2918]

Comply with the emissions limitations and operating limits at all times except during OSWI unit startups, shutdowns, or malfunctions. Subpart EEEEE.

55 [40 CFR 60.2949]

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Record the 15 items (as applicable) specified in 40 CFR 60.2949(a) through (o). Keep records for a period of at least 5 years. Subpart EEEEE.

56 [40 CFR 60.2950]

Keep each record on site for at least 2 years. Records may be kept off site for the remaining 3 years. Ensure that all records are available in either paper copy or computer-readable format that can be printed upon request, unless an alternative format is approved by DEQ. Subpart EEEEE.

57 [40 CFR 60.2953]

Submit startup notification: Due to DEQ prior to initial startup. Include the information specified in 40 CFR 60.2953(a) through (e). Subpart EEEEE.

58 [40 CFR 60.2954]

Submit initial test report: Due to DEQ no later than 60 days following the initial performance test. Include the information specified in 40 CFR 60.2954(a) and (b). Ensure that all reports are signed by the facilities manager. Subpart EEEEE.

59 [40 CFR 60.2955]

Submit annual report: Due to DEQ no later than 12 months following the submission of the information in 40 CFR 60.2954. Submit subsequent reports no more than 12 months following the previous report. Include the information specified in 40 CFR 60.2956(a) through (j). Subpart EEEEE.

60 [40 CFR 60.2957]

Submit emission limitation or operating limit deviation report: Due to DEQ semiannually by the 1st of February and August if any emission limitation or operating limitation deviations occur. Include the information specified in 40 CFR 60.2958(a) through (g). Subpart EEEEE.

61 [40 CFR 60.2959(a)(1)]

Submit qualified operator deviation notification: Due to DEQ within 10 days, if all qualified operators have not been accessible for 2 weeks or more. Include the three items in 40 CFR 60.2959(a)(1)(i) through (a)(1)(iii). Subpart EEEEE. [40 CFR 60.2959(a)(1)]

62 [40 CFR 60.2959(a)(2)]

Submit qualified operation status report: Due to EPA every 4 weeks, if all qualified operators have not been accessible for 2 weeks or more. Include the three items in 40 CFR 60.2959(a)(2)(i) through (a)(2)(iii). Subpart EEEEE. [40 CFR 60.2959(a)(2)]

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- 63 [40 CFR 60.2959(b)]
- 64 [40 CFR 60.2960]
- 65 [40 CFR 60.2961]
- 66 [40 CFR 60.]
- 67 [40 CFR 70.5(a)(1)(iii)]
- 68 [40 CFR 70.6(a)(3)(iii)(A)]
- 69 [40 CFR 70.6(a)(3)(iii)(B)]
- 70 [40 CFR 70.6(c)(5)(iv)]
- 71 [LAC 33:III.1103]
- 72 [LAC 33:III.1109.B]
- 73 [LAC 33:III.1303.B]
- 74 [LAC 33:III.1305]
- 75 [LAC 33:III.2113.A]
- 76 [LAC 33:III.2119]
- 77 [LAC 33:III.2901.D]

Notify EPA of the resumption of operation once a qualified operator is accessible, if a unit was shut down by EPA under the provisions of 40 CFR 60.2911(c)(2). Subpart EEEE. [40 CFR 60.2959(b)]

Submit notifications as provided by 40 CFR 60.7. Subpart EEEE.

Submit initial, annual, and deviation reports electronically or in paper format. Subpart EEEE.

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

Outdoor burning of waste material or other combustible material is prohibited.

Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

Prevent particulate matter from becoming airborne by taking all reasonable precautions during ash removal operations including transport off site. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.

Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

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78 [LAC 33:III.2901.F]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

79 [LAC 33:III.5611.A]

Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.

80 [LAC 33:III.5611.B]

During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.

81 [LAC 33:III.919.D]

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.